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Surendar Chandra, Carla Schlatter Ellis, Amin Vahdat
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Keywords: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

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June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2
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Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application

5 Cluster-based scalable network services
Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
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Jay Lepreau, Eric Eide
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8 MPEG-4: an object-based multimedia coding standard supporting mobile applications
Atul Puri, Alexandros Eleftheriadis
June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1
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The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes at very low bit-rates; however, in July 1994, its scope was expanded to include coding of scenes as a collection of individual audio-visual objects and enabling a range of advanced functionalities not supported by other standards. One of the ke ...

9 Security on the move: indirect authentication using Kerberos
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10 Composable ad-hoc mobile services for universal interaction
Todd D. Hodes, Randy H. Katz, Edouard Servan-Schreiber, Lawrence Rowe
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11 Software engineering tools and environments: a roadmap
Harold Ossher, William Harrison, Peri Tarr
May 2000 **Proceedings of the Conference on The Future of Software Engineering**
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Keywords: integration, process-centered software engineering environments, programming support environments, separation of concerns, software engineering environments, tools

12 A proxy architecture for reliable multicast in heterogeneous environments
Yatin Chawathe, Steve A. Fink, Steven McCanne, Eric A. Brewer
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**
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13 Pavilion: a middleware framework for collaborative Web-based applications
P. K. McKinley, A. M. Malenfant, J. M. Arango
November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**
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This paper describes Pavilion, an object-oriented middleware framework for developing collaborative web-based applications. Pavilion enables a developer to construct new applications by inheriting and extending its default functionality. Reusable and extensible Pavilion components include interfaces to common web browsers, a reliable multicast protocol tailored for delivery of web resources, a leadership protocol for floor control, and a highly modular proxy server that supports data type-s ...

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Weaver, A.C.; Condry, M.W.;
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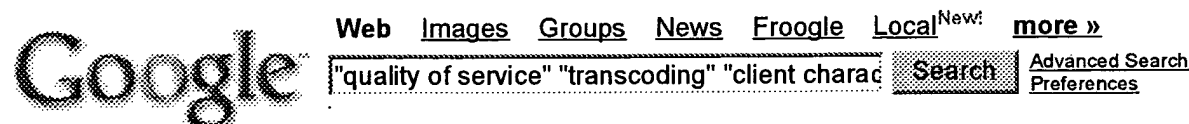| IEEE JNL | IEEE Journal or Magazine |
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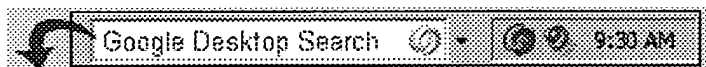File Format: PDF/Adobe Acrobat
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